

Applicant : Erik Coelingh et al.  
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wherein the intended driving demand is derived from a combination of the at least one driver input and the at least one active input if the at least one active assist program is in the on setting and if the driver of the vehicle does not overrule the at least one active assist program, otherwise the intended driving demand is derived from the at least one driver input, such that the vehicle control and implementation subsystem cannot determine if instructions for the vehicle control and implementation system come from the at least one driver input or the at least one active assist program.

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11. (Amended) A vehicle control system comprising:

a driver subsystem receiving at least one driver input from a driver of the vehicle, the driver subsystem including a driver output outputting a driver output signal, the driver output signal being derived from the at least one driver input;

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an active assist subsystem including an assist input receiving the driver output signal from the driver output of the driver subsystem, the active assist subsystem including at least one active assist program having at least one active input, the at least one active assist program having an on setting wherein the at least one active assist program outputs at least one active input and an off setting wherein the at least one active assist program does not output at least one active input, the at least one active assist subsystem including an assist output;

a vehicle control and implementation subsystem having a control input receiving an intended driving demand from the assist output of the active assist program;  
wherein the intended driving demand is derived from a combination of the at least one driver input and the at least one active input if the at least one active assist program is in the on setting and if the driver of the vehicle does not overrule the at least one active assist program, otherwise the intended driving demand is derived from the at least one driver input, such that the vehicle control and implementation subsystem cannot determine if instructions for the vehicle control and implementation system come from the at least one driver input or the at least one active assist program.

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